PMC serves as a consultant for Bioage, and had grants to her institution from Abbott and Nestle for work outside of this project.

KME has served as a consultant for Gilead and ViiV Pharmaceuticals, and is supported by the National Institutes of Health, National Institute on Aging K23 AG050260 and R01 AG054366.

SB has received grant support for investigator-initiated research from NIA, NINR, NICHD, FNIH, PCORI, Abbvie, Transition Therapeutics, Abbott, Metro International Biotechnology, LLC, and Alivegen. These grants and contracts are managed by the Brigham and Women's Hospital. He reports receiving consulting fees from AbbVie and OPKO and holding equity interest in FPT, LLC.

RAF reports grants from National Institutes of Health (National Institute on Aging) and the USDA, during the conduct of the study; grants, personal fees and other from Axcella Health, other from Inside Tracker, grants and personal fees from Biophytis, grants and personal fees from Astellas, personal fees from Cytokinetics, personal fees from Amazentis, grants and personal fees from Nestle', personal fees from Glaxo Smith Kline, outside the submitted work.

SBK is a site PI on a trial of a sarcopenia drug (Biopytis is the company).

DPK royalty payments from Wolters Kluwer for contributions to UpToDate chapter on Falls. He has received a stipend from Springer for editor roles on the book, "Osteoporosis in Older Persons. He has received consultant payments for serving on a scientific advisory board for

Solarea Bio. He has received grant support to his institution from the Dairy Council, Policy Analysis, Inc, and Radius Health.

JSM consulted or served on advisory boards for: American Orthopaedic Association; Novartis; Pluristem; Viking. None of these entities provided funding for the current project.

All other authors report no conflicts.

AJS was supported by a career development award from the NIH/NIA (K01 AG057726)

Funding support for the individual studies that comprise the pooled data set is gratefully acknowledged:

MrOS (US): The Osteoporotic Fractures in Men (MrOS) Study is supported by National Institutes of Health funding. The following institutes provide support: the National Institute on Aging (NIA), the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), the National Center for Advancing Translational Sciences (NCATS), and NIH Roadmap for Medical Research under the following grant numbers: U01 AG027810, U01 AG042124, U01 AG042139, U01 AG042140, U01 AG042143, U01 AG042145, U01 AG042168, U01 AR066160, and UL1 TR000128. MrOS data is available online: http://mrosdata.sfcc-cpmc.net.

MrOS Hong Kong: MrOS in Hong Kong was supported by a U.S. National Institute of Health R01 Grant AR049439-01A1, the Research Grants Council Earmarked Grant CUHK 4101/02M, and a direct grant for research of The Chinese University of Hong Kong (No. 2041657).

MrOS Sweden: Financial support was received from the Swedish Research Council (2006-3832), the Swedish Foundation for Strategic Research, the ALF/LUA research grant in Gothenburg, the Lundberg Foundation, the Torsten and Ragnar Söderberg's Foundation, Petrus and Augusta Hedlunds Foundation, the Västra Götaland Foundation, the Göteborg Medical Society and the Novo Nordisk foundation.

SOF: The Study of Osteoporotic Fractures (SOF) is supported by National Institutes of Health funding. The National Institute on Aging (NIA) provides support under the following grant numbers: R01 AG005407, R01 AR35582, R01 AR35583, R01 AR35584, R01 AG005394, R01 AG027574, and R01 AG027576.

Health Aging and Body Composition Study (Health ABC): This study was funded by the National Institutes of Aging. This research was supported by NIA contracts N01AG62101, N01AG62103, and N01AG62106.

Cardiovascular Health Study (CHS): This research was supported by contracts

HHSN268201200036C, HHSN268200800007C, HHSN268201800001C, N01HC55222,

N01HC85079, N01HC85080, N01HC85081, N01HC85082, N01HC85083, N01HC85086, and

grants U01HL080295 and U01HL130114 from the National Heart, Lung, and Blood Institute

(NHLBI), with additional contribution from the National Institute of Neurological Disorders and Stroke (NINDS). Additional support was provided by R01AG023629 from the National Institute on Aging (NIA). A full list of principal CHS investigators and institutions can be found at CHS-NHLBI.org.

Framingham Osteoporosis Study (FOS) / Framingham Heart Study (FHS): The study was funded by grants from the US National Institute for Arthritis, Musculoskeletal and Skin Diseases and National Institute on Aging (R01 AR 41398 and U24AG051129; DPK and R01AR057118. The Framingham Heart Study of the National Heart, Lung, and Blood Institute of the National Institutes of Health and Boston University School of Medicine were supported by the National Heart, Lung, and Blood Institute's Framingham Heart Study (N01-HC-25195).

Johnson County Study: The Johnston County Osteoarthritis Project is supported in part by cooperative agreements S043, S1734, and S3486 from the Centers for Disease Control and Prevention/Association of Schools of Public Health; the NIAMS Multipurpose Arthritis and Musculoskeletal Disease Center grant 5-P60-AR30701; and the NIAMS Multidisciplinary Clinical Research Center grant 5 P60 AR49465-03.

Concord Health and Ageing in Men Project: CHAMP is funded by the National Health and Medical Research Council (project grant number 301916) and the Ageing and Alzheimer's Institute.

LASA: The Longitudinal Aging Study Amsterdam (LASA) is largely supported by a grant from the Netherlands Ministry of Health, Welfare and Sports, Directorate of Long-Term Care. The data collection in 2012–2013 was financially supported by the Netherlands Organization for Scientific Research (NWO) in the framework of the project "New Cohorts of young old in the 21st century" (File Number 480-10-014).